

**PATENT APPLICATION No. 10/661,466**  
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**Amendments to the Claims**  
**August 29, 2006, FedEx Airbill # 847963762669**

(Currently Amended): **Abstract**

The invention in various embodiments is directed to artificially configured quantum information processing elements and artificially configured quantum information processing platforms employing such elements. In one aspect, the artificially configured quantum information processing elements are formed with self-assembling purified Clathrin protein molecules.